





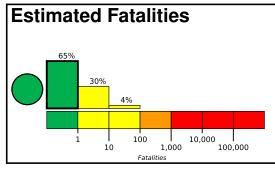
PAGER Version 5

100,000

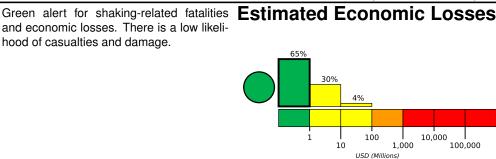
Created: 1 day, 9 hours after earthquake

M 5.4, Mindanao, Philippines

Origin Time: 2023-12-02 20:39:30 UTC (Sun 04:39:30 local) Location: 8.2576° N 126.7402° E Depth: 64.9 km



and economic losses. There is a low likeli-



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	7,235k*	2,797k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan 1000 5000 10000

Surigao Cabadbaran Sayugan Malaybalay Valencia Quezon

127.0°E

111

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us7000lfmb#pager

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1987-05-23	141	5.7	VII(70k)	1
1990-02-08	286	6.7	VIII(96k)	1
2002-03-05	373	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org MMI City Population IV Hinatuan 10k IV Tidman 3k IV **Bisliq** 68k IV Bigaan 3k IV Lingig 6k IV Barcelona 4k I۷ Butuan 310k IV 233k Magugpo Ш Libertad 250k Ш **Digos** 116k

Davao bold cities appear on map.

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1,213k (k = x1000)

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